

**Bear Creek Clean Water Initiative
Follow-up Investigations on Priority Drains**

Drain Name: Sharkey Relief Drain ID#: 630-1

Initial Sample Results: 7,452 cfu/100ml Occurrence: ~~Dry Weather~~ / Wet Weather

Date MCPWO Initially Notified of Sample Result: 6/4/01

Date	Action Taken
6/7/01	Requested sanitary sewer plans from the City of Warren
7/27/01	Directed sampler installation after next rain event
8/1/01	Field investigation to find best location for sampler
8/13/01	Applied for road commission permit to install sampler
8/16/01	Oakland County Drain Commission (OCDC) obtained additional wet weather samples west of Dequindre Road. Results indicated that some high bacteria counts existed.
8/21/01	Obtained sediment samples from inverted siphon under I-696.
8/27/01	OCDC proceeding with follow-up west of Dequindre Road
11/2001	MDOT discovered a storm drain manhole with high <i>E. coli</i> counts, which was tributary to the Sharkey Inter-County Drain. They subsequently notified the City of Madison Heights. After some investigation (document review, dye testing & sewer televising), the City discovered that the sanitary line from a commercial building was improperly connected to the storm drain. A sanitary sewer was not immediately available for the building to tap into, so the City made arrangements to extend an existing sanitary sewer 75'.
10/7/02	Installed autosampler in an upstream manhole at the Macomb/Oakland County border (630-11-3A).
10/13/02	Autosampler collected 14 samples from a rain event the night prior. Six samples were submitted for <i>E. coli</i> analysis. Five of the 6 samples had results above 3,000 cfu/100 ml with the geometric mean equaling 5,454 cfu/100 ml.
10/17/02	Collected dry-weather <i>E. coli</i> samples from follow-up location (630-11-3A) and from a 12" pipe entering the manhole during autosampler extraction. Both results were low (< 1 MPN/100 ml and 259 MPN/100 ml, respectively).